

CITY OF FRISCO TRAFFIC SIGNALS  
SH289/Eldorado and FM3537/Coit  
ESTIMATE OF PROBABLE CONSTRUCTION COSTS

Client:	City of Frisco	ENGINEER'S ESTIMATE			LOWEST		SECOND		THIRD		FOURTH	
Project:	SH 289 & Eldorado and FM 3537 & Coit Rd	Parsons Transportation Group			CUSG		Durable Specialties, Inc.		Sharrock Electric, In.c		Mel's Electric Service, Inc.	
Bid No.	0308-082				715 Katy Rd, Suite 208A		121 S Alexander		PO Box 8360		1610 S Akard St	
Engineer:	Parsons Transportation				Keller, TX 76244-2485		Duncanville, TX 75137		Fort Worth, TX 76124		Dallas, TX 75215	
					(817) 482-1400		(972) 296-6324		(817) 429-8502		(214) 565-1074	
					FAX (817) 431-5205		FAX (972) 780-7411		FAX (817) 429-8559		FAX (214) 565-1081	
TxDOT ITEM NO.	DESCRIPTION	TOTALS	Price	Amount	Price	Amount	Price	Amount	Price	Amount	Price	Amount
			UNIT COST (\$)	TOTAL COST (\$)	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
500	MOBILIZATION	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	3	\$600.00	\$1,800.00	\$1,350.00	\$4,050.00	\$700.00	\$2,100.00	\$1,000.00	\$3,000.00	\$500.00	\$1,500.00
618	CONDUIT (RM)(1 1/2 ")	20	\$4.00	\$80.00	\$10.00	\$200.00	\$3.00	\$60.00	\$6.50	\$130.00	\$4.50	\$90.00
618	CONDUIT (RM)(2 ")	170	\$7.00	\$1,190.00	\$25.00	\$4,250.00	\$4.00	\$680.00	\$7.50	\$1,275.00	\$6.00	\$1,020.00
618	CONDUIT (RM)(3 ")	20	\$11.00	\$220.00	\$10.00	\$200.00	\$8.00	\$160.00	\$19.50	\$390.00	\$8.00	\$160.00
618	CONDUIT (RM)(4 ")	20	\$15.00	\$300.00	\$15.00	\$300.00	\$12.00	\$240.00	\$22.50	\$450.00	\$11.50	\$230.00
618	CONDUIT (PVC)(SCH 40)(1 ")	190	\$4.00	\$760.00	\$3.00	\$570.00	\$1.00	\$190.00	\$3.25	\$617.50	\$3.10	\$589.00
618	CONDUIT (PVC)(SCH 40)(2 ")	1965	\$5.00	\$9,825.00	\$3.50	\$6,877.50	\$4.00	\$7,860.00	\$4.00	\$7,860.00	\$4.00	\$7,860.00
618	CONDUIT (PVC)(SCH 40)(BORE)(2 ")	100	\$13.00	\$1,300.00	\$10.00	\$1,000.00	\$12.00	\$1,200.00	\$16.50	\$1,650.00	\$12.50	\$1,250.00
618	CONDUIT (PVC)(SCH 40)(BORE)(4 ")	50	\$20.00	\$1,000.00	\$12.00	\$600.00	\$13.00	\$650.00	\$17.50	\$875.00	\$18.00	\$900.00
620	ELEC CONDUCTOR (NO. 6) BARE	1840	\$0.65	\$1,196.00	\$0.50	\$920.00	\$0.50	\$920.00	\$0.50	\$920.00	\$0.50	\$920.00
620	ELEC CONDUCTOR (NO. 8) TYPE XHHW	4205	\$0.75	\$3,153.75	\$0.50	\$2,102.50	\$0.40	\$1,682.00	\$0.50	\$2,102.50	\$0.60	\$2,523.00
620	ELEC CONDUCTOR (NO. 6) TYPE XHHW	430	\$0.80	\$344.00	\$0.60	\$258.00	\$0.50	\$215.00	\$0.65	\$279.50	\$0.70	\$301.00
620	ELEC CONDUCTOR (NO. 4) TYPE XHHW	165	\$1.00	\$165.00	\$0.50	\$82.50	\$1.00	\$165.00	\$0.80	\$132.00	\$0.90	\$148.50
624	GROUND BOX TY A (122311) W/APRON	18	\$525.00	\$9,450.00	\$310.00	\$5,580.00	\$450.00	\$8,100.00	\$425.00	\$7,650.00	\$350.00	\$6,300.00
628	ELECTRICAL SERVICE TYPE D(120/240)070(NS)GS(T)GC(O)	1	\$2,700.00	\$2,700.00	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	\$2,750.00	\$2,750.00	\$3,125.00	\$3,125.00
628	ELECTRICAL SERVICE TYPE D(120/240)070(NS)GS(E)GC(U)	1	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	\$2,250.00	\$2,250.00	\$3,125.00	\$3,125.00
644	SMALL ROADSIDE SIGN ASSEMBLY (TYPE TWT(1)UA(P))	1	\$205.00	\$205.00	\$300.00	\$300.00	\$300.00	\$300.00	\$325.00	\$325.00	\$350.00	\$350.00
644	SMALL ROADSIDE SIGN ASSEMBLY (TYPE TWT(1)UA(T))	1	\$250.00	\$250.00	\$300.00	\$300.00	\$300.00	\$300.00	\$355.00	\$355.00	\$350.00	\$350.00
649	REMOVE SMALL ROADSIDE SIGN ASSEMBLY	5	\$80.00	\$400.00	\$50.00	\$250.00	\$30.00	\$150.00	\$25.00	\$125.00	\$50.00	\$250.00
656	FOUNDATION FOR TRAFFIC SIGNAL (24" DRIL SHFT)	6	\$140.00	\$840.00	\$70.00	\$420.00	\$90.00	\$540.00	\$125.00	\$750.00	\$95.00	\$570.00
666	REFL PAV MRK TY I(W)(SLD)(6 ")THERMOPLASTIC	182	\$2.00	\$364.00	\$1.50	\$273.00	\$1.50	\$273.00	\$1.65	\$300.30	\$1.80	\$327.60
666	REFL PAV MRK TY I(W)(SLD)(24")THERMOPLASTIC	84	\$6.00	\$504.00	\$4.20	\$352.80	\$4.00	\$336.00	\$4.25	\$357.00	\$4.80	\$403.20
666	REFL PAV MRK TY I(Y)(SLD)(4 ")THERMOPLASTIC	1160	\$1.50	\$1,740.00	\$0.95	\$1,102.00	\$1.00	\$1,160.00	\$1.25	\$1,450.00	\$1.08	\$1,252.80
666	REFL PAV MRK TY I(Y)(SLD)(24 ")THERMOPLASTIC	45	\$6.00	\$270.00	\$5.00	\$225.00	\$5.00	\$225.00	\$4.25	\$191.25	\$6.00	\$270.00
666	REFL PAV MRK TY II(W)(SLD)(6")PAINT	182	\$1.00	\$182.00	\$0.35	\$63.70	\$0.50	\$91.00	\$0.30	\$54.60	\$0.36	\$65.52
666	REFL PAV MRK TY II(W)(SLD)(24")PAINT	84	\$3.00	\$252.00	\$1.10	\$92.40	\$1.00	\$84.00	\$0.85	\$71.40	\$1.20	\$100.80
666	REFL PAV MRK TY II(Y)(SLD)(4 ")PAINT	1160	\$0.75	\$870.00	\$0.20	\$232.00	\$0.50	\$580.00	\$0.25	\$290.00	\$0.24	\$278.40
666	REFL PAV MRK TY II(Y)(SLD)(24 ")PAINT	45	\$3.00	\$135.00	\$1.00	\$45.00	\$1.00	\$45.00	\$0.85	\$38.25	\$1.20	\$54.00
668	PREFAB PAVEMENT MARKING (W)(ARROW)	2	\$200.00	\$400.00	\$175.00	\$350.00	\$200.00	\$400.00	\$135.00	\$270.00	\$210.00	\$420.00
668	PREFAB PAVEMENT MARKING (W)(WORD)	2	\$250.00	\$500.00	\$200.00	\$400.00	\$200.00	\$400.00	\$185.00	\$370.00	\$240.00	\$480.00
677	REMOVE EXISTING PAVEMENT MARKINGS (4 ")	1960	\$1.00	\$1,960.00	\$0.75	\$1,470.00	\$1.00	\$1,960.00	\$1.00	\$1,960.00	\$0.90	\$1,764.00
677	REMOVE EXISTING PAVEMENT MARKING (ARROW)	1	\$50.00	\$50.00	\$25.00	\$25.00	\$30.00	\$30.00	\$16.00	\$16.00	\$30.00	\$30.00
678	PAV SURF PREP FOR MARKINGS (BLAST CLEAN) 4 IN	1160	\$0.50	\$580.00	\$0.15	\$174.00	\$0.20	\$232.00	\$0.25	\$290.00	\$0.18	\$208.80
678	PAV SURF PREP FOR MARKINGS (BLAST CLEAN) 6 IN	182	\$1.00	\$182.00	\$0.18	\$32.76	\$0.50	\$91.00	\$0.35	\$63.70	\$0.21	\$38.22
678	PAV SURF PREP FOR MARKINGS (BLAST CLEAN) 24 IN	129	\$4.00	\$516.00	\$0.55	\$70.95	\$1.00	\$129.00	\$0.75	\$96.75	\$0.60	\$77.40
678	PAV SURF PREP FOR MARKINGS (BLAST CLEAN) (ARROW)	2	\$40.00	\$80.00	\$20.00	\$40.00	\$30.00	\$60.00	\$20.00	\$40.00	\$24.00	\$48.00
678	PAV SURF PREP FOR MARKINGS (BLAST CLEAN) (WORD)	2	\$50.00	\$100.00	\$20.00	\$40.00	\$30.00	\$60.00	\$30.00	\$60.00	\$24.00	\$48.00
680	INSTALLATION OF HIGHWAY TRAFFIC SIGNAL	2	\$14,572.50	\$29,145.00	\$12,000.00	\$24,000.00	\$10,300.00	\$20,600.00	\$12,450.00	\$24,900.00	\$24,500.00	\$49,000.00
682	VEHICLE SIGNAL SECTION (12 IN)(W/O LENS & REFL)	55	\$200.00	\$11,000.00	\$84.00	\$4,620.00	\$160.00	\$8,800.00	\$155.00	\$8,525.00	\$130.00	\$7,150.00
682	BACK PLATE (3 SEC) (12 IN)	10	\$40.00	\$400.00	\$46.00	\$460.00	\$50.00	\$500.00	\$55.00	\$550.00	\$55.00	\$550.00
682	BACK PLATE (4 SEC) (12 IN)	2	\$50.00	\$100.00	\$49.00	\$98.00	\$55.00	\$110.00	\$65.00	\$130.00	\$60.00	\$120.00
682	BACK PLATE (5 SEC) (12 IN)	3	\$60.00	\$180.00	\$55.00	\$165.00	\$60.00	\$180.00	\$75.00	\$225.00	\$66.00	\$198.00
684	TRAFFIC SIGNAL CABLE (TY A)(7 CONDR)(14 AWG)IMSA 20-1	1280	\$2.00	\$2,560.00	\$0.25	\$320.00	\$1.50	\$1,920.00	\$1.25	\$1,600.00	\$2.30	\$2,944.00
684	TRAFFIC SIGNAL CABLE (TY C)(2 CONDR)(18 AWG)IMSA 50-2	6720	\$0.75	\$5,040.00	\$0.60	\$4,032.00	\$0.50	\$3,360.00	\$0.75	\$5,040.00	\$0.70	\$4,704.00
688	VEHICLE DETECTOR SAWCUT	1725	\$5.00	\$8,625.00	\$4.00	\$6,900.00	\$4.40	\$7,590.00	\$4.25	\$7,331.25	\$4.30	\$7,417.50
6009	ROADSIDE FLASHING BEACON ASSEMBLY	1	\$1,600.00	\$1,600.00	\$800.00	\$800.00	\$1,100.00	\$1,100.00	\$2,125.00	\$2,125.00	\$2,100.00	\$2,100.00
6955	12 INCH LED TRAFFIC SIGNAL LAMP UNIT (RED)	15	\$100.00	\$1,500.00	\$69.00	\$1,035.00	\$80.00	\$1,200.00	\$90.00	\$1,350.00	\$79.00	\$1,185.00
6955	12 INCH LED TRAFFIC SIGNAL LAMP UNIT (YELLOW)	17	\$110.00	\$1,870.00	\$77.00	\$1,309.00	\$80.00	\$1,360.00	\$120.00	\$2,040.00	\$92.00	\$1,564.00
6955	12 INCH LED TRAFFIC SIGNAL LAMP UNIT (GREEN)	15	\$170.00	\$2,550.00	\$132.00	\$1,980.00	\$150.00	\$2,250.00	\$145.00	\$2,175.00	\$158.00	\$2,370.00
6955	12 INCH LED TRAFFIC SIGNAL LAMP UNIT (YEL ARROW)	3	\$110.00	\$330.00	\$77.00	\$231.00	\$110.00	\$330.00	\$105.00	\$315.00	\$92.00	\$276.00
6955	12 INCH LED TRAFFIC SIGNAL LAMP UNIT (GRN ARROW)	5	\$120.00	\$600.00	\$112.00	\$560.00	\$120.00	\$600.00	\$125.00	\$625.00	\$128.00	\$640.00
8288	SPREAD SPECTRUM RADIO	2	\$1,300.00	\$2,600.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,695.00	\$3,390.00	\$2,500.00	\$5,000.00
8288	ANTENNA (YAGI)	2	\$325.00	\$650.00	\$300.00	\$600.00	\$381.00	\$762.00	\$325.00	\$650.00	\$300.00	\$600.00
8288	CABLE, COAXIAL, LMR-400	60	\$2.00	\$120.00	\$1.00	\$60.00	\$2.00	\$120.00	\$2.00	\$10.00	\$1.50	\$90.00
				\$117,733.75		\$90,419.11		\$92,450.00		\$101,787.00		\$126,336.74